

Abstract

Method and arrangement for effective radio transmission of data

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According to the invention, a method and an arrangement are provided for digital radio transmission of data between a fixed station (1) and at least one mobile station (2, 3) at one of a plurality of carrier frequencies ($F_1, F_2 \dots$), the data being transmitted in a plurality of time slots ($Z_1, Z_2 \dots$) using a time-division multiplex method. The change from one carrier frequency to another carrier frequency requires a predetermined time period when so-called slow hopping RF modules are used. The data are transmitted in active time slots, which are each followed by an inactive time slot in which no data are transmitted and which is sufficient for the RF modules to programme the frequency for the next active time slot. According to the invention, the time duration of the inactive time slot is shorter than that of an active time slot.

Figure 1

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(57) Abstract

The invention relates to a method and a device for digital data radiotransmission between a fixed station (1) and at least one mobile station (2, 3) at one or several carrier frequencies (F1, F2 ...), wherein the data is transmitted in several time slots (Z1, Z2 ...) according to the time-multiplex technique. A specific amount of time is required to change from one carrier frequency to another carrier frequency using a slow-hopping HF module. The data is transmitted in an active followed by an inactive time slot during which no data is transmitted and which is sufficient for the HF module to program the frequency for the following active time slot. According to the invention, an inactive time slot is shorter than an active time slot.

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